This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

A2 Cont

1. (currently amended) An iris camera module comprising:
an image pickup optical system for picking up ~~the~~ an image of the iris; and
a target optical system for displaying ~~the~~ a target ~~of~~ for the eye,
wherein the target optical system and the image pickup optical system are integrated into a single unit.

2. (original) An iris camera module according to claim 1, wherein the image pickup optical system includes:
an infrared illuminating section for irradiating an infrared ray onto the eye;
an image pickup section for picking up the image of the iris by detecting the infrared ray reflected on the eye; and
an image pickup optical section for guiding the infrared ray reflected on the eye to the image pickup section, wherein the target optical system includes:
a target screen where the target is displayed; and
a target optical section for guiding the image of the target on the target screen to the eye.

3. (original) An iris camera module according to claim 2, wherein the image pickup optical section and the target optical section include a common half mirror for reflecting to guide the infrared ray reflected on the eye to the image pickup section and guiding the image of the target on the target screen to the eye without reflecting the image.

4. (original) An iris camera module according to claim 2,

wherein the image pickup optical section and the target optical section include a common half mirror for guiding the infrared ray reflected on the eye to the image pickup section without reflecting the infrared ray and reflecting to guide the image of the target on the target screen to the eye.

5. (original) An iris camera module according to claim 1, wherein the target optical system includes a screen illuminating section for illuminating the target screen.

6. (original) An iris camera module according to claim 2, wherein the image pickup section includes:

an image pickup element for picking up the image of the iris;

a storage for storing a reference iris information; and

a comparator section for comparing an information based on the image of the iris picked up by the image pickup section with the reference iris information to output the comparison result as to whether matching is obtained.

7. (original) An iris camera module according to claim 6, wherein the reference iris information can be overwritten only a predetermined number of times in the storage.

8. (original) An iris camera module according to claim 2, wherein the image pickup section includes:

an image pickup element for picking up the image of the iris; and

a connector section for coupling an external circuit detachable from the image pickup section,

wherein the external circuit includes:

a storage for storing a reference iris information; and

a comparator section for comparing an information based on the iris picked up by the image pickup section with the reference iris information to output the comparison result as to whether matching is obtained.

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9. (new) An iris camera module comprising: A7

an image pickup optical system for picking up an image of the iris of a user; and

a target optical system including a target screen for displaying a target for aligning the eye of the user, [wherein the target optical system and the image pickup optical system are integrated onto a common substrate.]

2/ 10. (new) An iris camera module according to claim 9, wherein the image pickup optical system includes:

an infrared illuminating section for irradiating an infrared ray onto the eye;

an image pickup section for picking up the image of the iris by detecting the infrared ray reflected on the eye; and

an image pickup optical section for guiding the infrared ray reflected on the eye to the image pickup section,

and further wherein the target optical system includes:

a target optical section for guiding the image of the target on the target screen to the eye.

3/ 11. (new) An iris camera module according to claim 10, wherein the image pickup optical section and the target optical section include a common half mirror for reflecting to guide the infrared ray reflected on the eye to the image pickup section and guiding the image of the target on the

target screen to the eye without reflecting the image.

4/ 12. (new) An iris camera module according to claim 10, wherein the image pickup optical section and the target optical section include a common half mirror for guiding the infrared ray reflected on the eye to the image pickup section without reflecting the infrared ray and reflecting to guide the image of the target on the target screen to the eye.

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5/ 13. (new) An iris camera module according to claim 9, wherein the target optical system includes a screen illuminating section for illuminating the target screen.

6/ 14. (new) An iris camera module according to claim 10, wherein the image pickup section further includes:

an image pickup element for picking up the image of the iris;

a storage for storing a reference iris information; and

a comparator section for comparing an information based on the image of the iris picked up by the image pickup section with the reference iris information to output the comparison result as to whether matching is obtained.

7/ 15. (new) An iris camera module according to claim 14, wherein the reference iris information can be overwritten only a predetermined number of times in the storage.

8/ 16. (new) An iris camera module according to claim 10, wherein the image pickup section further includes:

an image pickup element for picking up the image of the iris; and

a connector section for coupling an external circuit detachable from the image pickup section,

and wherein the external circuit includes:
a storage for storing a reference iris information; and
a comparator section for comparing an information based on the iris picked up by the image pickup section with the reference iris information to output the comparison result as to whether matching is obtained.

9/14/15 17. (new) An iris camera module comprising:
an image pickup optical system for picking up an image of the iris of a user;
a target optical system for displaying a target for aligning the eye of the user;
a storage for storing a reference iris information; and
a comparator section for comparing an information based on the image of the iris picked up by the image pickup section with the reference iris information to output the comparison result as to whether matching is obtained, wherein
the reference iris information can be overwritten only a predetermined number of times in the storage.

18. (new) An iris camera module comprising:
an image pickup optical system for picking up an image of the iris of a user;
a target optical system for displaying a target for aligning the eye of the user;
a storage for storing a reference iris information; and
a comparator section for comparing an information based on the image of the iris picked up by the image pickup section with the reference iris information to output the comparison result as to whether matching is obtained, wherein
the reference iris information cannot be overwritten.

19. (new) An iris camera module comprising:
an image pickup optical system for picking up an image of the iris of a user, said image optical system including:
an illuminating section for irradiating a ray onto the eye;
an image pickup section for picking up the image of the iris by detecting the ray reflected on the eye; and
an image pickup optical section for guiding the ray reflected on the eye to the image pickup section;
a target optical system for displaying a target for aligning the eye of the user, said target optical system including:
a target screen;
a target optical section for guiding the image of the target on the target screen to the eye; and
a screen illuminating section for illuminating the target screen with either ambient light or artificial light;
a storage for storing a reference iris information; and
a comparator section for comparing an information based on the image of the iris picked up by the image pickup section with the reference iris information to output the comparison result as to whether matching is obtained, wherein
the reference iris information can be overwritten only a predetermined number of times in the storage.

20. (new) An iris camera module according to claim 19, wherein the image pickup optical section and the target optical section include a common half mirror for reflecting to

guide the infrared ray reflected on the eye to the image pickup section and guiding the image of the target on the target screen to the eye without reflecting the image.

21. (new) An iris camera module according to claim 19, wherein the image pickup optical section and the target optical section include a common half mirror for guiding the infrared ray reflected on the eye to the image pickup section without reflecting the infrared ray and reflecting to guide the image of the target on the target screen to the eye.